What is claimed is:

1. A wearable cooler, comprising:

a thermoelectric module provided on clothes for absorbing and discharging heat according to an electric current;

at least one first heat sink provided at a first side of the thermoelectric module;

at least one second heat sink provided at an opposite side of the first heat sink; and

at least one fan provided at an opposite side of the thermoelectric module for blowing air to the first heat sink.

2. The wearable cooler of claim 1, wherein the first heat sink is provided at an outside of the clothes.

3. The wearable cooler of claim 1, wherein the first fan comprises an axial flow fan.

4. A wearable cooler, comprising:

a thermoelectric module provided on clothes for absorbing and discharging heat according to an electric current;

at least one first heat sink provided at a side of the thermoelectric module;

a second heat sink provided at an opposite side of the first heat sink on the basis of the thermoelectric module;

at least one first fan provided at an opposite side of the thermoelectric module for blowing air to the first heat sink on the basis of the first heat sink; and

an external case surrounding the first heat sink and the first fan, and having at least one air inlet and at least one air outlet.

5. The wearable cooler of claim 4, wherein the first heat sink is provided at an outside of the clothes.

6. The wearable cooler of claim 4, wherein the air inlet is corresponded to the first fan.

7. The wearable cooler of claim 4, wherein the air outlet is provided in all directions at the external case.

8. The wearable cooler of claim 4, wherein the first fan comprises an axial flow fan.

9. A wearable cooler, comprising:

a thermoelectric module provided on clothes for absorbing and discharging heat according to an electric current;

a first heat sink provided at a first side of the thermoelectric module;

a second heat sink provided at an opposite side of the first heat sink on the basis of the thermoelectric module;

at least one first fan provided at an opposite side of the thermoelectric module on the basis of the first heat sink for blowing air to the first heat sink;

at least one second fan provided at an opposite side of the thermoelectric module for blowing air to the second heat sink on the basis of the second heat sink; and

an external case having at least one air inlet and at least one air outlet, and surrounding the first heat sink and the first fan.

10. The wearable cooler of claim 9, wherein the first heat sink is provided at an outside of the clothes.

11. The wearable cooler of claim 9, wherein the air inlet is corresponded to the first fan.

12. The wearable cooler of claim 9, wherein the air outlet is adjustable to change the direction according to a user need.

13. The wearable cooler of claim 9, wherein each of the first fan and the second fan comprises an axial flow fan.

14. The wearable cooler of claim 10, wherein the second heat sink comprises a space at a skin side opposite to a side of the thermoelectric module, for containing the second fan.

15. The wearable cooler of claim 14, wherein the second fan comprises a centrifugal fan.

16. The wearable cooler of claim 9, wherein the second heat sink comprises a contact guard having an opening being corresponded to the second fan at an opposite side of the thermoelectric module.

17. The wearable cooler of claim 16, wherein the second heat sink further comprises a projection part on a surface being in contact with the contact guard for maintaining a predetermined distance from the contact guard.

18. The wearable cooler of claim 9, wherein the clothes is provided at a skin side on a basis of the second heat sink and the second fan, and at least a portion thereof through which air passes by the second fan comprises gauze.

19. The wearable cooler of claim 9, wherein the second heat sink and the external case are provided on a rear side of the clothes.

20. The wearable cooler of claim 9, further comprises an electric current controller for supplying power to the thermoelectric module and controlling the electric current.